Amendments to the Claims:

1. **(Currently amended)** A heated seat assembly comprising:

a seat surface material;

a heating element fixed inside said seat surface material, said heating element ~~comprising~~ consisting of

one sheet of [[a]] base material made of a hotmelt material, and

a linear heater disposed on said base material and being sewn to said base material with no adhesive being interposed between said base material and said linear heater to secure said linear heater to said base material; and

a resin filled inside of said seat surface material and covering said heating element;

wherein said linear heater is fixed to an inside of said seat surface material by said hotmelt ~~base~~ material.

Claim 2 **(Canceled)**

3. **(Original)** The seat assembly of claim 1, wherein said base material is in a form of one of sheet and mesh structure.

4. **(Original)** The seat assembly of claim 1, wherein said base material is made of fibrous material.

5. **(Previously presented)** The seat assembly of claim 1, wherein said linear heater is sewn to said base material by thread made of hotmelt material.

6. **(Previously presented)** The seat assembly of claim 1, wherein said linear heater comprises a linear heating element with a hotmelt layer formed around an outer periphery of said linear heating element.

7. **(Previously presented)** The seat assembly of claim 1, wherein said linear heater has a braided structure comprising a plurality of conductors and threads.

8. **(Original)** The seat assembly of claim 7, wherein a number of said threads forming said linear heater is not less than a number of said conductors.

9. **(Original)** The seat assembly of claim 8, wherein said linear heater has a structure wherein said conductors do not cross with each other.

10. **(Original)** The heating element of claim 7, wherein said conductor has an insulating coating layer.

11. **(Previously presented)** The seat assembly of claim 10, wherein said insulating coating layer comprises a lubricant.

12. **(Original)** The seat assembly of claim 10, wherein said insulating coating layer is colored for indication.

13. **(Previously presented)** The seat assembly of claim 7, wherein said thread comprises a lubricant.

14. **(Original)** The seat assembly of claim 13, wherein said thread comprises one of fibers coated with highly lubricant material and highly lubricant fibers.

Claims 15-21 **(Canceled)**

22. **(Currently Amended)** A method of manufacturing a heated seat assembly, comprising:

providing a seat surface material;

preparing a heating element consisting of one sheet of ~~by disposing a linear heater on a~~ base material and a ~~sewing said~~ linear heater sewn to said base material with no adhesive being interposed between said base material and said linear heater to secure said linear heater to said base material, said base material being a hotmelt base material;

filling and curing resin inside of said seat surface material so as to cover said heating element; and

fixing said heating element inside said seat surface material by fixing said linear heater to an inside of said seat surface material by hot-melting of said hotmelt base material during said filling and curing.

23. **(Previously presented)** The method of claim 22, wherein

said filling of said resin inside of said seat surface material causes said linear heater to be bonded to the inside of said seat surface material due to hot-melting of said hotmelt base material upon said filling of said resin.

24. **(Previously presented)** The method of claim 22, wherein

said linear heater has an outer layer formed of a hot-melt layer; and

said filling of said resin inside of said seat surface material causes hot-melting of said outer layer of said linear heater.

25. **(Previously presented)** The method of claim 22, wherein

said hotmelt base material melts at a molding temperature of said resin.

26. **(Previously presented)** The method of claim 25, wherein

said base material has a mesh structure.

27. **(Previously presented)** The method of claim 22, wherein

said resin is a urethane resin.

28. **(Previously presented)** The method of claim 22, wherein said filling of said resin comprises foaming injection molding.